



🎉 DeepSeek-R1 is now live and open source, rivaling OpenAI's Model o1. Available on web, app, and API. [Click for details.](#)

# deepseek

## Into the unknown

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# DeepSeek-V3 Capabilities

DeepSeek-V3 achieves a significant breakthrough in inference speed over previous models. It tops the leaderboard among open-source models and rivals the most advanced closed-source models globally.

		DeepSeek V3	DeepSeek V2.5	Qwen2.5	Llama3.1	Claude-3.5	GPT-4o
Benchmark (Metric)			0905	72B-Inst	405B-Inst	Sonnet-1022	0513
	Architecture	MoE	MoE	Dense	Dense	-	-
	# Activated Params	37B	21B	72B	405B	-	-
	# Total Params	671B	236B	72B	405B	-	-
English	MMLU (EM)	88.5	80.6	85.3	88.6	88.3	87.2
	MMLU-Redux (EM)	89.1	80.3	85.6	86.2	88.9	88.0
	MMLU-Pro (EM)	75.9	66.2	71.6	73.3	78.0	72.6
	DROP (3-shot F1)	91.6	87.8	76.7	88.7	88.3	83.7
	IF-Eval (Prompt Strict)	86.1	80.6	84.1	86.0	86.5	84.3

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		DeepSeek					
	GPQA-Diamond (Pass@1)	59.1	41.3	49.0	51.1	65.0	49.9
	SimpleQA (Correct)	24.9	10.2	9.1	17.1	28.4	38.2
	FRAMES (Acc.)	73.3	65.4	69.8	70.0	72.5	80.5
	LongBench v2 (Acc.)	48.7	35.4	39.4	36.1	41.0	48.1
Code	HumanEval-Mul (Pass@1)	82.6	77.4	77.3	77.2	81.7	80.5
	LiveCodeBench (Pass@1-COT)	40.5	29.2	31.1	28.4	36.3	33.4
	LiveCodeBench (Pass@1)	37.6	28.4	28.7	30.1	32.8	34.2
	Codeforces (Percentile)	51.6	35.6	24.8	25.3	20.3	23.6
	SWE Verified (Resolved)	42.0	22.6	23.8	24.5	50.8	38.8
	Aider-Edit (Acc.)	79.7	71.6	65.4	63.9	84.2	72.9
	Aider-Polyglot (Acc.)	49.6	18.2	7.6	5.8	45.3	16.0
Math	AIME 2024 (Pass@1)	39.2	16.7	23.3	23.3	16.0	9.3
	MATH-500 (EM)	90.2	74.7	80.0	73.8	78.3	74.6
	CNMO 2024 (Pass@1)	43.2	10.8	15.9	6.8	13.1	10.8
Chinese	CLUEWSC (EM)	90.9	90.4	91.4	84.7	85.4	87.9
	C-Eval (EM)	86.5	79.5	86.1	61.5	76.7	76.0

C-SimpleQA (Correct)

64.1

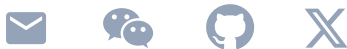
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Research

- DeepSeek LLM
- DeepSeek Coder
- DeepSeek Math
- DeepSeek VL
- DeepSeek V2
- DeepSeek Coder V2
- DeepSeek V3

Product

- DeepSeek App
- DeepSeek Chat
- DeepSeek Platform
- API Pricing
- Service Status

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